



EXHIBIT A: Translation of SEQ ID NO:1525 from Tang et al.

I. Original sequence:

> - 886 nucleotides

gtggactggattagctgcgagccctggaagctgctgtccttctccctgtgcttaacca
gaggtgcccattgggttgacaatgaggtggtcacagcagcactgttactgggtctcatg
atggtggtcactggagacgaggatgagaacagcccgtgtgcccattgagccctcttgga
gaggacacccctcttttgcagggccttgaagttttctaccagagttggggaacattggc
tgcaaggttggtcctgattgtaacaactacagacagaagatcacctcctggatggagccg
atagtcaagttcccgggggcccgtggacggcgcaacctatatcctggtgatggtggatcca
gatgcccctagcagagcagaacccagacagagattctggagacattggctggtaacagat
atcaagggcgccgacctgaaggaaggaagattcagggccaggagttatcagccctacca
ggctccctccccaccggcacacagtggtccctccatcgctaccaagttctttgtctatct
tcaggaagggaaaagtcatctctctccttcccaaggaaaacaaaactcgaggtccttggg
aatggacagatttctgaaccgtttccacctgggcgaacctgaagcaagcaccagttca
tgaccagaactaccaggactcaccaaccctccagggtcccagagaaagggccagcgagc
ccaagcacaaaaaccaggcggagatagctgctgtagatagccggctttgccatccggg
catgtggccacactgcccaccaccgacgatgtgggtatggaacccctctggatacagaa
ccccttcttttccaaataaaaaaaaaaatcatccaggaaaaaaaaaaaa

II. Translation in forward direction:

ValAspTrpIleSerCysGlyAlaLeuGluAlaAlaCysProSerProCysAlaOc*Pro
GluValProMetGlyTrpThrMetArgLeuValThrAlaAlaLeuLeuLeuGlyLeuMet
MetValValThrGlyAspGluAspGluAsnSerProCysAlaHisGluAlaLeuLeuAsp
GluAspThrLeuPheCysGlnGlyLeuGluValPheTyrProGluLeuGlyAsnIleGly
CysLysValValProAspCysAsnAsnTyrArgGlnLysIleThrSerTrpMetGluPro
IleValLysPheProGlyAlaValAspGlyAlaThrTyrIleLeuValMetValAspPro
AspAlaProSerArgAlaGluProArgGlnArgPheTrpArgHisTrpLeuValThrAsp
IleLysGlyAlaAspLeuLysGluGlyLysIleGlnGlyGlnGluLeuSerAlaLeuPro
GlySerLeuProHisArgHisThrValAlaPheHisArgTyrGlnValLeuCysLeuSer
SerGlyArgGluLysSerSerLeuSerPheProArgLysThrLysLeuGluAlaLeuGly
LysTrpThrAspPheOp*ThrValSerThrTrpAlaAsnLeuLysGlnAlaProSerSer
Op*ProArgThrThrArgThrHisGlnProSerArgLeuProGluLysGlyProAlaSer
ProSerThrLysThrArgArgArgAm*LeuProAlaArgAm*ProAlaLeuProSerGly
HisValAlaThrLeuProThrThrAspAspValGlyMetGluProProLeuAspThrGlu
ProLeuLeuPheGlnIleLysLysLysSerSerArgLysLysLys

III. Nucleotide/Amino Acid alignment:

>	-	886	nucleotides
Translation	in	forward	direction:
DNA: gtggactggattagctgcgagccctggaagctgcctgtccttctccctgtgcttaacca			
+1fr: ValAspTrpIleSerCysGlyAlaLeuGluAlaAlaCysProSerProCysAlaOc*Pro			
DNA: gaggtgcccatgggttgacaatgaggctgggtcacagcagcactgttactgggtctcatg			
+1fr: GluValProMetGlyTrpThrMetArgLeuValThrAlaAlaLeuLeuLeuGlyLeuMet			
DNA: atggtggctcactggagacgaggatgagaacagcccgtgtgcccatgaggccctcttggac			
+1fr: MetValValThrGlyAspGluAspGluAsnSerProCysAlaHisGluAlaLeuLeuAsp			
DNA: gaggacaccctcttttgcaggggccttgaagttttctaccagagttggggaacattggc			
+1fr: GluAspThrLeuPheCysGlnGlyLeuGluValPheTyrProGluLeuGlyAsnIleGly			
DNA: tgcaaggttggtcctgattgtaacaactacagacagaagatcacctcctggatggagccg			
+1fr: CysLysValValProAspCysAsnAsnTyrArgGlnLysIleThrSerTrpMetGluPro			
DNA: atagtcaagttcccgggggcccgtggacggcgcaacctatatcctggatggatggatcca			
+1fr: IleValLysPheProGlyAlaValAspGlyAlaThrTyrIleLeuValMetValAspPro			
DNA: gatgcccttagcagagcagaacccagacagagattctggagacattggctggtaacagat			
+1fr: AspAlaProSerArgAlaGluProArgGlnArgPheTrpArgHisTrpLeuValThrAsp			
DNA: atcaagggcgccgacctgaaggaaggggaagattcagggccaggagttatcagccctacca			
+1fr: IleLysGlyAlaAspLeuLysGluGlyLysIleGlnGlyGlnGluLeuSerAlaLeuPro			
DNA: ggctccctccccaccggcacacagtggccttccatcgctaccaagttctttgtctatct			
+1fr: GlySerLeuProHisArgHisThrValAlaPheHisArgTyrGlnValLeuCysLeuSer			
DNA: tcaggaagggaaaagtcattctctctccttcccaaggaaaacaaaactcgaggctcttggga			
+1fr: SerGlyArgGluLysSerSerLeuSerPheProArgLysThrLysLeuGluAlaLeuGly			
DNA: aaatggacagatttctgaaccgtttccacctgggccaacctgaagcaagcaccagttca			
+1fr: LysTrpThrAspPheOp*ThrValSerThrTrpAlaAsnLeuLysGlnAlaProSerSer			
DNA: tgacccagaactaccaggactcaccaacctccaggctcccagagaaagggccagcgagc			
+1fr: Op*ProArgThrThrArgThrHisGlnProSerArgLeuProGluLysGlyProAlaSer			
DNA: ccaagcacaaaaccaggcgagatagctgcctgctagatagccggctttgccatccggg			
+1fr: ProSerThrLysThrArgArgArgAm*LeuProAlaArgAm*ProAlaLeuProSerGly			

DNA: catgtggccacactgcccaccaccgacgatgtgggtatggaaccccctctggatacagaa
+1fr: HisValAlaThrLeuProThrThrAspAspValGlyMetGluProProLeuAspThrGlu

DNA: ccccttcttttccaaataaaaaaaaaaatcatccaggaaaaaaaaaaa
+1fr: ProLeuLeuPheGlnIleLysLysLysSerSerArgLysLysLys